Patent Claims

1. A compressed-gas-insulated switch-disconnector module having an electrically conductive housing (2) and having a main axis (3) along which in each case one first and one second electrical phase conductor (7, 8) which are connected at an isolating gap (12) extend, having the following features:
- the first phase conductor (7) passes through a first flange (4) on the switch-disconnector housing (2),
- the second phase conductor (8) passes through a second flange (5) of the switch-disconnnector housing (2),
- a tubular electrode (9) is connected to the housing (2), concentrically surrounds the first phase conductor (7), is arranged radially on the inside of the first flange (4), and projects beyond it.

2. The compressed-gas-insulated switch-disconnector module as claimed in claim 1,
characterized
in that the second flange (5), which is arranged coaxially with respect to the first flange (4) at the opposite end of the housing (2), has a holding device, onto which a toroidal transformer (17) can be fitted, on its outside.

3. The compressed-gas-insulated switch-disconnector module as claimed in claim 1 or 2,
characterized
in that the second flange (5) is arranged at the end of a tubular connecting stub (6) which at least partially supports the transformer (17).

4. The compressed-gas-insulated switch-disconnector module as claimed in one of claims 1 to 3,
characterized
in that

the first and the second flange (4, 5) are annular, and the first flange (4) has a larger circumference than the second flange (5).

5. The compressed-gas-insulated switch-disconnector module as claimed in one of claims 1 to 4,
characterized
in that the electrode (9) is supported by the housing (2), and in particular is cast onto it.

6. The compressed-gas-insulated switch-disconnector module as claimed in one of claims 1 to 4,
characterized
in that one of the phase conductors (7, 8) can be grounded by means of a grounding switch (20) in the interior of the housing (2).

7. A bushing arrangement (1) having a switch disconnector with an isolating gap (12), which is arranged insulated by compressed gas within an electrically conductive housing (2), and having an electrically insulating casing (10) which is flange-connected to the housing (2) in the form of an outdoor bushing, and having a first phase conductor (7), which passes through the casing (10) and is connected at one of its ends to a switching contact (13) of the isolating gap (12), with the housing (2) and the casing (10) surrounding a common gas area.

8. The bushing arrangement (1) as claimed in claim 7,
characterized
in that the first phase conductor (7) is supported on the housing (2) by means of a pillar support (14).

9. The bushing arrangement (1) as claimed in claim 8,

characterized
in that the first phase conductor (7) is supported via the switching contact (13) of the switch disconnector.

10. The bushing arrangement (1) as claimed in one of claims 7 to 10,
characterized
in that the gas area extends into a tubular connecting stub (6) of the housing (2), around which a toroidal transformer (17) is arranged.

11. The bushing arrangement (1) as claimed in one of claims 7 to 10,
characterized
in that an electrode (9) extends coaxially with respect to the first phase conductor (7), and the electrode (9) shields the connecting area between the insulating casing (10) and the housing (2).